

## BILL WILLIAMS RIVER BASIN

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## 09426600 BILL WILLIAMS RIVER AT MINERAL WASH, NEAR PLANET, AZ

## WATER-QUALITY RECORDS

**LOCATION**--Lat 34°15'18", long 114°00'32", in SE1/4NE1/4 sec. 34, T.11 N., R.17 W., on boundary between Mohave and La Paz Counties, Hydrologic Unit 15030204, at convergence with Mineral Wash, 4 mi west of Planet Wash, 4 mi west of Planet Ranch, 6.1 mi upstream from waterline of Havasu Lake at elevation of 450 ft above sea level, and approximately 30 mi downstream from Alamo Lake.

**DRAINAGE AREA**--5,320 mi<sup>2</sup>, of which 686 mi<sup>2</sup> is below Alamo Dam, and 10 mi<sup>2</sup> is noncontributing.

**PERIOD OF RECORD**--Dec. 1928 to Sept. 1940, Nov. 1942 to Oct. 1946, Jan. 1970 to Jan. 1972, Oct. 1974 to current year.

**REVISED RECORDS**--WDR AZ-91-1: Drainage area.

**PERIOD OF DAILY RECORD**--

**SPECIFIC CONDUCTANCE**: Oct. 1974 to Sept. 1981.

**WATER TEMPERATURE**: Oct. 1974 to Sept. 1981.

**REMARKS**--Streamflow ungaged.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity				pH, Specific.				Noncarb.				
		Instantaneous	light	Barometric	Dissolved oxygen	Dissolved oxygen, percent	water, unfltrd field, std	Temp., air, 25 degC	Temp., water, deg C	Hardness, water, mg/L as CaCO <sub>3</sub>	Hardness, water, mg/L as CaCO <sub>3</sub>	water, mg/L as CaCO <sub>3</sub>	Ca, mg/L (00915)	
		(00061)	(63676)	(00025)	(00300)	(00301)	(00400)	(00095)	(00020)	(00010)	(00900)	(00904)	(00915)	
DEC 21...	0910	23	7.7	751	7.0	72	7.8	960	14.0	16.0	240	19	63.9	
APR 27...	0915	101	14	750	11.1	122	8.0	635	20.0	19.0	190	12	50.1	
JUL 26...	0845	19	6.4	749	8.3	108	8.0	901	30.0	28.0	230	50	61.0	
JUL 26...	0846	19	8.0	749	8.3	108	8.0	901	30.0	28.0	240	54	62.2	
Date		Magnesium				Alkalinity				Bicarbonate, Carbonate, Chloride, Fluoride, Silica, Sulfate				
		Calcium water, unfiltrd	Magnesium water, recover	Potassium water, recover	Sodium adsorption ratio	Sodium water, filtrd	Sodium water, ratio	mg/L as CaCO <sub>3</sub>	mg/L as CaCO <sub>3</sub>	Wat. filtrd, Gran, field, titr., mg/L as	Wat. filtrd, Gran, titr., mg/L as	Wat. filtrd, Gran, titr., mg/L as	Chloride, water, mg/L (00950)	Fluoride, Silica, water, mg/L (00955)
DEC 21...		63.7	20.7	20.1	6.64	3	116	226	276	<1	123	1.3	--	82.3
APR 27...		--	16.6	--	5.79	2	73.6	181	221	<1	66.2	1.0	--	56.0
JUL 26...		63.0	19.3	19.1	6.56	3	95.6	182	222	<1	106	1.2	--	76.0
JUL 26...		--	19.4	--	6.72	3	95.8	182	222	<1	106	1.3	33.6	75.8
Date		Residue water, filtrd, sum of constituents, mg/L (70301)				Residue water, evap. at 180degC				Ammonia + Nitrite + Nitrate				
		Residue water, tons/acre-ft (70303)	Water, evap. at 180degC (70300)	Total suspended, mg/L as N (00530)	org-N, mg/L as N (00625)	Ammonia water, unfiltrd (00608)	Nitrate water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as N (00613)	Total nitrogen, mg/L as N (00600)	Orthophosphate, water, mg/L as P (00660)	Orthophosphate, water, mg/L as P (00671)	Orthophosphate, water, mg/L as P (00666)	Phosphate, water, mg/L (00665)	Phosphorus, water, mg/L (00666)
DEC 21...		551	.82	605	<10	.16	E.03n	.26	--	.42	--	--	--	.06
APR 27...		379	.57	420	--	.24	<.04	.34	--	.59	--	--	--	.12
JUL 26...		477	.73	539	<10	.14+c	<.04	.38	--	.52	--	--	--	.07+c
JUL 26...		512	.73	537	--	.16	<.04	.39	E.004n	.55	.104	.03	.05	.07
Date		E. coli, m-TEC, col/100 mL (31633)				Alum, MF, water, filterd, ug/L (01106)				Antimony, water, filterd, ug/L (01095)				
							Arsenic water, filterd, ug/L (01097)	Arsenic water, filterd, ug/L (01000)	Barium, water, filterd, ug/L (01002)	Barium, water, filterd, ug/L (01005)	Beryllium, water, filterd, ug/L (01007)	Beryllium, water, filterd, ug/L (01010)	Boron, water, filterd, ug/L (01022)	Cadmium, water, filterd, ug/L (01025)
DEC 21...		54	--	E.12n	E.1n	6.9	6	--	100	<.06	E.04n	294	E.03n	.05
APR 27...		24k	--	E.18n	--	7.4	--	--	--	<.06	--	--	E.02n	--
JUL 26...		600k	--	<.20	E.2n	6.1	9	--	83	<.06	<.06	258d	E.03n	E.04n
JUL 26...		600k	13	--	--	7	--	90	--	--	--	--	E.03n	--

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**WATER-QUALITY RECORDS**

Date	Chrom- ium, water, unfltrd ug/L (01030)	Cobalt ug/L (01034)	Copper, water, unfltrd ug/L (01035)	Copper, water, recover able, ug/L (01040)	Iron, water, recover able, ug/L (01042)	Lead, water, unfltrd ug/L (01046)	Lithium water, recover able, ug/L (01051)	Mangan- ese, water, unfltrd ug/L (01130)	Mangan- ese, water, recover able, ug/L (01056)	Mercury water, unfltrd ug/L (71890)	Mercury water, recover able, ug/L (71900)		
	Chrom- ium, water, recover able, ug/L (01030)	Chrom- ium, water, recover able, ug/L (01034)	Copper, water, unfltrd ug/L (01035)	Copper, water, recover able, ug/L (01040)	Iron, water, recover able, ug/L (01042)	Lead, water, recover able, ug/L (01046)	Lithium water, recover able, ug/L (01051)	Mangan- ese, water, recover able, ug/L (01130)	Mangan- ese, water, recover able, ug/L (01056)	Mercury water, recover able, ug/L (71890)	Mercury water, recover able, ug/L (71900)		
DEC 21...	--	.9	--	1.1	5.2	--	E.07n	2.08	--	--	182	.01	.02
APR 27...	--	--	--	2.1	--	--	.10	--	--	--	E.01n	--	
JUL 26...	--	1.0	--	.9	1.7	--	<.08	1.05	--	--	48	E.01n	E.01n
26...	E.7n	--	.160	1.2	--	8	1.09	--	42.8	2.9	--	E.01n	--
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Date	Molyb- denum, water, filtrd, ug/L (01060)	Nickel, water, filtrd, ug/L (01065)	Selen- ium, water, filtrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, filtrd, ug/L (01075)	Stront- ium, water, filtrd, ug/L (01080)	Vanad- ium, water, filtrd, ug/L (01085)	Zinc, water, recover able, ug/L (01090)	Zinc, water, sieve diametr percent <.063mm (70331)	Suspnd. sediment, sieve diametr percent <.063mm (80154)	Sus- pended sediment concent- ration mg/L (80155)	Sus- pended sediment dis- charge, tons/d	
DEC 21...	--	--	--	1.2	--	--	--	31.1	93	96	45	2.8	
APR 27...	--	--	--	--	--	--	--	3.7	--	43	54	15	
JUL 26...	--	--	--	1.3	--	--	--	5.0	4	79	21	1.1	
26...	7.4	2.60	.7	--	<.2	755	8.6	--	--	79	21	1.1	

Remark codes used in this table:

< -- Less than.  
E -- Estimated.

Value qualifier codes used in this table:

+ -- Improper preservation  
c -- See laboratory comment  
d -- Diluted sample; method hi range exceeded  
k -- Counts outside acceptable range  
n -- Below the LRL and above the LT-MDL